



Certificate of Calibration

Certificate Number: 197140
Date of Issue: November 21, 2013



MAT Delivers Assurance

Calibration Performed For:

JOHN DOE COMPANY, INC.
1234 MAIN ST
ANYTOWN, USA 77777
972-999-1111
JIMMY GARFUNKLE

Equipment Information

Asset Number: AB12C
Manufacturer: DRUCK
Model Number: UPS-III
Description: LOOP CALIBRATOR
Serial Number: R7889

Calibration Statistics

Cal Date: 10/30/2013
Cal Due: 10/30/2014
Calibration Result: **PASS**
Cal. Interval: 12 MONTHS
Performed By: PERRY MURBARGER

Received Condition: IN TOLERANCE
Returned Condition: IN TOLERANCE
Temperature: 71.6F
Humidity: 47 %
Department:
Cal Procedure: MAT-001

Comments/Notes:

MATsolutions hereby certifies that...

the above described instrument met or exceeded all published specifications at the time of calibration specified above; and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology (NIST) within the limitations of the Institute's calibration services, or have been derived from accepted values, physical constants, by ratio or self calibration techniques. All calibration activities performed are in compliance with ANSI/NCSS Z-540-1-1994, MIL STD 45662A, and ISO/IEC 17025 when specified, as well as other national/international systems guidelines. The Quality System is ISO 9001-2008 Certified. This report shall not be reproduced, except in full, without the written permission of Measurement Assurance Technology.

All calibrations, unless otherwise noted, are performed using accuracies of less than or equal to one quarter of the specification of the unit under test. When applicable, the measurement uncertainties include a coverage factor of k=2, having a confidence level of 95%. not requested at the time of certification the uncertainty of measurement associated with the result in this certificate is available upon request for a period of 30 days and was accounted for in making the decision of compliance or noncompliance with the relevant specification identified above.

Test Points

Seq.	Description	Standard	Tolerance -	As Found	Tolerance +	As Left	Result
							Measurement Uncertainty
1	DC mA Source	4.00000	3.99760	3.99890	4.00240	3.99890	DC mA
						0.00017	
2	DC mA Source	8.00000	7.99720	7.99910	8.00280	7.99910	DC mA
						0.00034	
3	DC mA Source	12.00000	11.99680	11.99920	12.00320	11.99920	DC mA
						0.00051	
4	DC mA Source	16.00000	15.99640	15.99900	16.00360	15.99900	DC mA
						0.00068	
5	DC mA Source	20.00000	19.99600	19.99920	20.00400	19.99920	DC mA
						0.00085	
6	DC mA Measure	4.000	3.998	3.999	4.002	3.999	DC mA
						0.0007	
7	DC mA Measure	8.000	7.997	8.000	8.003	8.000	DC mA
						0.0011	
8	DC mA Measure	12.000	11.997	12.000	12.003	12.000	DC mA
						0.0015	

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Seq.	Description	Standard	Tolerance -	As Found	Tolerance +	As Left	Result
							Measurement Uncertainty
9	DC mA Measure	16.000	15.996	16.001	16.004	16.001	DC mA
						0.0018	
10	DC mA Measure	20.000	19.996	20.001	20.004	20.001	DC mA
						0.0023	
11	DCV Measure	6.000	5.995	6.000	6.005	6.000	DCV
						0.0004	
12	DCV Measure	12.000	11.994	12.001	12.006	12.001	DCV
						0.0006	
13	DCV Measure	24.000	23.991	24.001	24.009	24.001	DCV
						0.0008	
14	DCV Measure	48.000	47.986	48.003	48.014	48.003	DCV
						0.0013	
15	DCV Measure	60.000	59.984	60.005	60.016	60.005	DCV
						0.0015	

Standards Used To Calibrate Equipment

Trace Number	Manufacturer	Model	Description	Last Cal.	Cal. Due Date
A1079A	FLUKE	5520A/SC1100	MULTIFUNCTION CALIBRATOR	1/18/2013	1/18/2014
A1167A	HEWLETT PACKAR	3458A	DIGITAL MULTIMETER	10/17/2013	10/17/2014

Quality Approved: